



# SATA II PCIe Pro

## Quick Installation Guide

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### Introducing the *SATA II PCIe Pro*

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The *SATA II PCIe Pro* is an ultra high-speed dual channel Serial ATA Generation 2 controller for use in PCI Express-enabled system.

### Features and Benefits

- Compliant with PCI Express Base Specification 1.0a
- Compliant with Serial 1.0a specification with support for full complement of SATA II optional features
- PCI Express 1-lane (x1) SATA II adapter works with PCI Express slots with different lane width
- Installs in any available PCI Express slot and support data transfer rates up to 3.0Gbps (300MBps)
- Supports Native Command Queuing (NCQ), Non-zero offsets NCQ, and Out-of-order data delivery NCQ

### System Requirements

#### PC:

- PCI Express-enabled system with an available PCI Express slot
- Windows® 2000/XP (32-/64-bit)/Server 2003 (32-/64-bit)/Vista (32-/64-bit)

#### Mac:

- PCI Express-enabled system with an available PCI Express slot
- Mac OS 10.4 or later

## Package Contents

- *SATA II PCIe Pro* adapter
- Driver CD
- Quick Installation Guide

## Board Layout

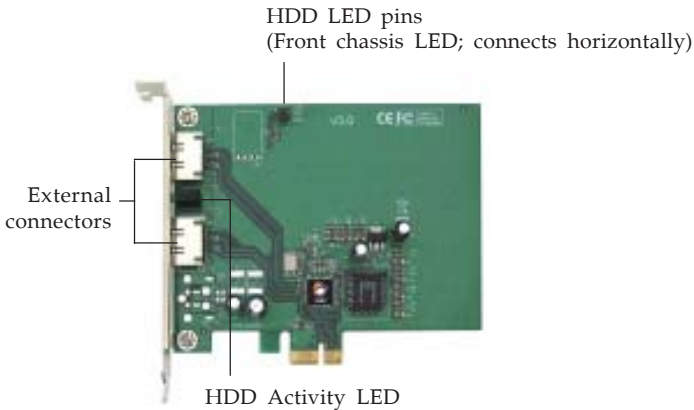


Figure 1. SATA II PCIe Pro Board Layout

## Hardware Installation

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General instructions for installing the card are provided below. Since the design of computer cases and motherboards vary, refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer.

2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCIe slot.
4. Carefully align the card to the selected PCIe slot push the board down firmly, but gently, until it is well seated.
5. Replace the slot bracket holding screw to secure the card.
6. Replace the computer cover and reconnect the power cord.

## **Windows Driver Installation**

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This section provides information on how to install the *SATA II PCIe Pro* drivers.

### **Windows 2000**

#### *New Windows 2000 Installation*

A new installation of Windows 2000 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows 2000 accordingly.
2. Restart your system when prompted during Windows installation.
3. At the **Windows 2000 Setup** screen, press **F6** to install the driver.
4. Insert the driver diskette. Press **S**, then press **Enter**.
5. Select **Silicon Image SiI 3132... Controller for Windows 2000** and press **Enter**.

6. Press **Enter** to continue and follow on-screen instructions to complete the installation.

### *Existing Windows 2000 Installation*

1. Install the board and boot up Windows 2000.
2. At the **Found New Hardware Wizard**, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)** and click **Next**.
4. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, and click **Next**. Click **Next** again to continue.
5. Click **Finish** and restart Windows to complete the driver installation.

## **32-bit Windows XP/Server 2003**

### *New 32-bit Windows XP/Server 2003 Installation*

A new installation of Windows XP/Server 2003 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. Restart your system when prompted by Windows' installation.
3. At the **Windows Setup** screen, press **F6** to install the driver.
4. Insert the driver diskette. Press **S** then press **Enter**.
5. Select **Silicon Image Sil 3132... Controller for Windows XP and Server 2003** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete Windows installation.

### *Existing 32-bit Windows XP/Server 2003 Installation*

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**.  
XP (w/SP1 or earlier)/Server 2003: continue to step #3.  
XP (w/SP2 or later)/Server 2003 (w/SP1 or later): select **No, not this time**, then click **Next**.

<p><b>Note:</b> Most systems will install the driver automatically after inserting driver CD.</p>
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3. Insert driver CD, select **Install the software automatically (Recommended)**, then click **Next**.
4. Click **Next**, then click **Finish**.
5. Restart Windows to complete the driver installation.

### **64-bit Windows XP/Server 2003**

#### *New 64-bit Windows XP/Server 2003 Installation*

A new installation of Windows XP/Server 2003 requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the **64bit** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. Restart your system when prompted during Windows' installation.
3. At the **Windows Setup** screen, press **F6** to continue.
4. Insert the driver diskette. Press **S** then press **Enter**.
5. Select **Silicon Image SiI 3132... Controller (64-bit Extended)** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete the installation.

### *Existing 64-bit Windows XP/Server 2003 Installation*

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**:  
XP (w/SP1 or earlier)/Server 2003: continue to step #3.  
XP (w/SP2 or later)/Server 2003 (w/SP1 or later): select **No, not this time**, then click **Next**.
3. Insert the driver CD, select **Install the software automatically (Recommended)**, then click **Next**.

<p><b>Note:</b> Most systems will install the driver automatically after inserting driver CD.</p>
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4. Click **Finish**, remove the driver CD and restart Windows to complete the installation.

### **To Verify Windows 2000/XP/Server 2003 Installation**

1. Right click **My Computer** and click **Manage**.
2. Select **Device Manager**.
3. Double click **SCSI and RAID Controllers**, then double click **Silicon Image SiI 3132... Controller** to display driver properties.
4. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.

## 32-bit Windows Vista™

### *New 32-bit Windows Vista Installation*

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. At **Where do you want to install Windows?**, click **Load Driver**.
3. Insert driver CD, then click **Browse**.
4. Double click **CD Drive (D:)**. (change D: to match your CD-ROM drive letter).
5. Highlight **Floppy** folder, then click **OK**.
6. Select **Silicon Image SiI 3132...Controller (D:\Floppy\SI3132.inf)**, then click **Next**.
7. Follow on-screen instructions to complete Windows Vista installation.

### *Existing 32-bit Windows Vista Installation*

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**, insert the driver CD, select **Locate and install driver software (Recommended)**, then click **Continue**.
3. Click **Next**, then **Close**.
4. Remove the driver CD and restart Windows to complete the installation.

## 64-bit Windows Vista

### *New 64-bit Windows Vista Installation*

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. At **Where do you want to install Windows?**, click **Load Driver**.
3. Insert driver CD, then click **Browse**.

4. Double click **CD Drive (D:)**. (change D: to match your CD-ROM drive letter).
5. Double click **64bit** folder, highlight **AMD64**, then click **OK**.
6. Select **Silicon Image SiI 3132...Controller (D:\64bit\AMD64\SI3132.inf)**, then click **Next**.
7. Follow on-screen instructions to complete Windows Vista installation.

### *Existing 64-bit Windows Vista Installation*

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**, insert the driver CD, select **Locate and install driver software (Recommended)**, then click **Continue**.
3. Click **Next**, then **Close**.
4. Remove the driver CD and restart Windows to complete the installation.

### **To Verify Windows Vista Installation**

1. Right click **Computer**, click **Manage**, click **Continue**.
2. Select **Device Manager**.
3. Double click **Storage controllers**, then double click **Silicon Image SiI 3132... Controller** to display driver properties.
4. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.



## BIOS Configuration

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The *SATA II PCIe BIOS* will appear everytime your system starts up. If the bios doesn't show, please try your controller in another PCIe slot. During this **(Post)** process, the bios will show up and indicate the devices attached to it.

## External Device Connection

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External Serial ATA devices should come with their own accessories. In most cases, you just need to power up the external device and connect it to the external port. For more information, please refer to the external device's manual.

## Hot-Plugging Hard Disk Drives

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To remove a drive from a powered up system, do the following.

1. Right click **My Computer** and click **Manage**.
2. For **Windows Vista**, click **Continue**. If not, please continue on step #3.
3. Select **Device Manager**.
4. Click **Disk Drives**, right click the target disk and select **Disable/Enable**.
5. You can now remove the target disk.

## Mac OS Driver Installation

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This section provides information on how to install the *SATA II PCIe Pro* drivers.

1. Install the *SATA II PCIe Pro* and boot up your system.
2. Insert driver CD. At the desktop double click **Drivers** icon.
3. Double click **Mac** folder.
4. Double click **Sil3132\_1.1.9u\_S.1\_Pkg.pkg**.
5. Click **Continue**, **Continue**, **Continue**, then **Agree**.
6. In **OS 10.5**, click **Change Install Location**. If not, please continue with step #7.
7. Select destination drive, then click **Continue**, then click **Install**.
8. At **Authenticate** enter password (if there's any), then **OK**.
9. Click **Close** and restart system to complete the installation.

## To Verify Mac Installation

1. At the Desktop, click **Go**, then click **Utilities**.
2. Double click **System Profiler**.
3. Click **PCI Cards**.
4. A **pci1095, 3132** should be displayed.

## Hot-Plugging Hard Disk Drives

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To remove a drive from a powered up system, do the following.

1. Click and drag icon into the **Trash**.
2. You can now remove the target disk.

## Technical Support and Warranty

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**QUESTIONS?** SIIG's **Online Support** has answers! Simply visit our web site at [www.siig.com](http://www.siig.com) and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a lifetime manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

**Step 1:** Submit your RMA request.

Go to [www.siig.com](http://www.siig.com), click **Support**, then **RMA** to submit a request to [SIIG RMA](#). If the product is determined to be defective, an RMA number will be issued. SIIG RMA department can also be reached at (510) 413-5333.

**Step 2:** After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

**SIIG, Inc.**  
**6078 Stewart Avenue**  
**Fremont, CA 94538-3152, USA**  
**RMA #:** \_\_\_\_\_

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

## About SIIG, Inc.

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Founded in 1985, SIIG, Inc. is a leading computer upgrade manufacturer of I/O connectivity products, including PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), networking, sound cards, and other accessories. SIIG is the premier one-stop source of upgrades.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High-quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.

### **PRODUCT NAME**

SATA II PCIe Pro

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS  
B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

### **FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE**

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6078 Stewart Avenue  
Fremont, CA 94538-3152, USA

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